DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1 – 46**, are rejected under 35 U.S.C. 102(e) as being anticipated by **Salonidis et al. (US PG PUB 2003/096576)**.

Regarding **claim 1**, Salonidis teaches a method for wireless ad hoc network formation, where the forming is to be performed by a device operable in a wireless network, characterized in that said method comprises the steps of

checking if more connections are allowed for said device, **[Salonidis: P2, 7 – 19]**

inquiring for other devices in range, **[Salonidis: P7, 1 – 2]**

connecting to a device responded first. **[Salonidis: P14, 1 – 6]**

Regarding **claims 2 and 25**, Salonidis teaches a method and device of claims 1 and 24, characterized in that if more connections are not allowed, the step of checking is repeated until the condition allowing a new connection is met. **[Salonidis: P21, 1 – 4]**

Regarding **claims 3 and 27**, Salonidis teaches a method and device of claims 1 and 24, characterized in that the maximum number of allowed simultaneous connections is dependent on the current role of said device. **[Salonidis: P31, 1 – 8]**

Regarding **claims 4 and 28**, Salonidis teaches a method and device of claims 1 and 24, characterized in that if several new connections are allowed for said device and more than one response is received, as many connections as allowed and available are established during said connecting phase. **[Salonidis: P30, 5 – 14]**

Regarding **claims 5 and 26**, Salonidis teaches a method and device of claims 1 and 24, characterized in that the step of inquiring is repeated until a connection to another device is established. **[Salonidis: P21, 1 – 4]**

Regarding **claim 6**, Salonidis teaches a method of claim 1, characterized in that it is to be performed when an existing connection fails. **[Salonidis: P46, 1 – 15]**

Regarding **claims 7 and 29**, Salonidis teaches a method of claims 1 and 24, characterized in that said connection is established substantially utilizing Bluetooth technology. **[Salonidis: P28, 1 – 4]**

Regarding **claims 8, 18, 30, and 41**, Salonidis teaches a method and device of claims 7, 17, 29, and 40, characterized in that said method further includes a step of temporarily leaving a current piconet in order to connect to a device not belonging to said current piconet, still maintaining existing connections in said current piconet by utilizing time division multiplexing. **[Salonidis: P64, 1 – 7]**

Regarding **claims 9, 19, 31, and 42**, Salonidis teaches a method and device of claims 1, 12, 24, and 36 characterized in that said device executing said method retains its role for a new connection. **[Salonidis: P32, 1 – 9]**

Regarding **claims 10, 20, 32, and 43**, Salonidis teaches a method and device of claims 1, 12, 24, and 36, characterized in that said device executing said method switches its role as a master or a slave for a new connection. **[Salonidis: P32, 11 – 15]**

Regarding **claims 11, 21, 33, and 44**, Salonidis teaches a method and device of claims 7, 17, 29, and 40, characterized in that said inquiring is executed substantially as INQUIRY or INQUIRY SCAN procedure. **[Salonidis: P45, 1 – 12]**

Regarding **claim 12**, Salonidis teaches a method for wireless ad hoc network formation, where the forming is to be performed by a device operable in a wireless network, characterized in that said method comprises the steps of **[Salonidis: P100, 1 - 6]**

acquiring parameters from existing connections, **[Salonidis: P101, 4 – 9]**

checking if parameter related criteria for breaking a connection is met, **[Salonidis: P102, 10 - 13]**

breaking an existing connection, **[Salonidis: P103, 1 – 5]**

inquiring for other devices in range, **[Salonidis: P103, 1 - 12]**

connecting to a device responded first **[Salonidis: P107, 1 - 12]**

Regarding **claims 13 and 37**, Salonidis teaches a method and device of claims 12 and 36, characterized in that if parameter related criteria for breaking up a connection is not met, the execution of the first two steps is repeated until the condition for a breaking a certain connection is met. **[Salonidis: P110, 1 - 19]**

Regarding **claims 14 and 38**, Salonidis teaches a method and device of claims 12 and 36, characterized in that said inquiry step is repeated until a connection to another device is established. **[Salonidis: P47, 1 – 6]**

Regarding **claim 15**, Salonidis teaches a method of claim 12, characterized in that said criteria concerns the amount of traffic transmitted through an existing connection **[Salonidis: P2, 5 – 13]**

Regarding **claims 16 and 39**, Salonidis teaches a method and device of claims 12 and 36, characterized in that said criteria is adaptively updated. **[Salonidis: P47, 6 - 13]**

Regarding **claims 17 and 40**, Salonidis teaches a method and device of claims 12 and 36, characterized in that said connection is established substantially utilizing Bluetooth technology **[Salonidis: P28, 1 – 4]**

Regarding **claim 22**, Salonidis teaches a computer program comprising code means adapted to perform the steps of the method of claim 12 when said program is run on a computer **[Salonidis: P115, 1 - 4]**

Regarding **claim 23**, Salonidis teaches a carrier medium carrying the computer executable program of claim 22 **[Salonidis: P115, 4 – 6]**

Regarding **claim 24**, Salonidis teaches a device operable in a wireless network, comprising processing means and memory means for processing and storing instructions and data, characterized in that said device is arranged to check if more connections are allowed for said device and if that is the case, arranged to inquire for other devices in range and connect to a device responded first. **[Salonidis: P114, 1 – 26]**

Regarding **claims 34 and 45**, Salonidis teaches a device of claims 24 and 36, characterized in that it is substantially a personal communications device. **[Salonidis: P2, 1 – 7]**

Regarding **claims 35 and 46**, Salonidis teaches a device of claims 34 and 36, characterized in that it is substantially a GSM (Global System for Mobile communications) **[Salonidis: P3, 1 – 4]**

Regarding **claim 36**, Salonidis teaches a device operable in a wireless network, comprising processing means and memory means for processing and storing instructions and data, characterized in that said device is arranged to acquire parameters from existing connections, check if parameter related criteria for breaking a connection is met, and if that is the case, arranged to break an

existing connection with criteria met, inquire for other devices in range, and connect to a device responded first. **[Salonidis: P114, 1 – 26; P100, 1 – 6; P103, 1 - 12; P107, 1 – 12]**

Conclusion

3. Any response to this Office Action should be **faxed** to (571) 273-8300 or **mailed to**:

Commissioner for Patents ,
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YESHOROHAN K. MANDADI whose telephone number is (571)270-1658. The examiner can normally be reached on M-T(8am-5pm) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Benny Tieu can be reached on (571) 272 - 7490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.\

\Yeshorohan Mandadi\

/Benny Q Tieu/
Supervisory Patent Examiner, Art Unit 4177